

MDCLXXX.

A N  
ALMANACK  
O F

Cœlestial Motions for the Year of the  
*Christian Epoch,*  
1 6 8 0.

Being in our Account first after *Leap-year*;  
And from the Creation,  
5 6 2 9.

The Vulgar Notes.

Golden Numb.	9.	} {	Epact	9.
Cycle of the Sun.	9.		Rom. Indict.	3.
Dominic. Let.	C.		Num. Direct.	21.

*Calculated for the Meridian of Boston in New-  
England, where the Artick Pole is elevated  
42 Degrees & 30 Minutes.*

*by John Foster*

Printed for, and sold by *Henry Phillips* in the  
west end of the *Exchange* in Boston, 1680.



## TO THE READER.

**A**FTER the Aspects of the Sun and Moon you have 1. the day of the Moneth. 2. The day of the week. 3<sup>dly</sup>. Planets Aspects, &c. 4. The Suns place. 5. The Suns-rising, which subtracted from 12. h. gives the time of his setting. The hours and minutes of his rising doubled gives the length of the night; and double the time of his setting is the length of the day. 6. The time of full Sea at *Dorset* in the day. 7. The time when the Guards (which are two Stars in the great Bear, or Charis-wain, by some called the Pointers) come to be North, that is directly over or directly under the Pole. The use of which may be to know the time of the night, and will serve without any sensible error for many years to come. There are five other Stars in the great Bear, the middlemost of which comes to the North two hours after the Guards, and the last of which almost 3. hours after them, which Stars by an Ocular observation only will direct to the time of the night at all times of the year. *Ex. gr.* March 1. Guards North 10. h. 14. m. i. e. are directly over the Pole 14. m. past 10. night, the middle Star of the other five therefore must be North two hours after, i. e. 14. min. past 12. and the last 14. min. past 1. will be directly over the Pole.

### Of the Eclipses this year, 1680.

1. Of the Sun, March 20. 43. m. past 5. in the Morning which, hapning near the South Node, will therefore in it self be a great Eclipse, but not visible to us.
2. Of the Sun, September 12. 20. min. past 2. afternoon, in it self also a great Eclipse, but not appearing to us.
3. Of the Moon, Febr. 22. half an hour past 6. in the Morning, the one half whereof will be visible to such as rise early enough to see it.

# March hath 31 Dayes.

Full moon 5 day 2 min past 2 Morn.

Last quarter 13 day 18 min past 6 morn.

New moon 20 day 43 min past 5 morn.

First quar. 26 day 40 min. past 8 night.

12		22	9 <sup>6</sup>	12	8M	35	11	10
23	C. Affist. Boston.	23	9 <sup>6</sup>	11	9	22	11	21
34	(C. Plimouth	24	9 <sup>6</sup>	10	10	07	11	07
45	C. Court Harford.	25	8 <sup>6</sup>	8	10	56	11	03
56		26	8 <sup>6</sup>	7	11	34	10	49
67	☾☽	27	8 <sup>6</sup>	5	12	12	10	56
71	☾Apoge.	28	7 <sup>6</sup>	4	12	54	10	52
82	☽☾	29	7 <sup>6</sup>	2	1	40	10	48
93	C. Fairfield	30	6 <sup>6</sup>	1	2	24	10	45
104		1 <sup>V</sup>	6 <sup>6</sup>	00	3	12	10	41
115		2	5 <sup>5</sup>	59	4	00	10	37
126	☐h☽ ☽☽	3	5 <sup>5</sup>	57	4	50	10	33
137	☽h)	4	4 <sup>5</sup>	56	5	39	10	30
141		5	3 <sup>5</sup>	55	6	30	10	26
152	☐h☽	6	2 <sup>5</sup>	53	7M	3	10	23
163		7	1 <sup>5</sup>	52	7	57	10	20
174	Δh) ☽☽	8	0 <sup>5</sup>	50	8	49	10	16
185		8	59 <sup>5</sup>	48	9	40	10	12
196	☽☽	9	58 <sup>5</sup>	46	10	33	10	09
207	Sun Eclipsed.	10	57 <sup>5</sup>	44	11	27	10	05
211		11	56 <sup>5</sup>	43	12	22	10	01
222	☐h☽	12	55 <sup>5</sup>	41	1	16	9	58
233	Moon Perige	13	54 <sup>5</sup>	40	2	15	9	54
244		14	53 <sup>5</sup>	39	3	14	9	51
255	☽h)	15	52 <sup>5</sup>	38	4	15	9	48
266		16	51 <sup>5</sup>	37	5	15	9	44
277	☐☽)	17	49 <sup>5</sup>	36	6	10	9	40
281		18	48 <sup>5</sup>	34	6M	37	9	37
292		19	47 <sup>5</sup>	33	7	30	9	33
303	Court Ipswich. &	20	46 <sup>5</sup>	32	8	14	9	29
314	(Northampton.	21	45 <sup>5</sup>	30	9	00	9	25



April hath 30 dayes.

Full moon 3 day 48 min. past 6 night.  
 Last quar. 11 day 17 min. past 8 night.  
 New moon 18 day 40 min. past 1 afternoon.  
 First quar. 25 day 15 min. past 9 morn.

1	♂♂	*♂♀	22	43	5	28	9	38	9	21
2			23	41	5	27	10	20	9	17
3	Lun Apoge.		24	40	5	26	11	02	9	13
4			25	38	5	24	11	46	9	09
5	♂♂	♂♀	26	37	5	23	12	27	9	06
6	Court Cambridge.		27	35	5	22	1	10	9	02
7			28	34	5	20	1	57	8	58
8	☐♀	♂♂	29	32	5	18	2	48	8	55
9	☐☉	♂♂	0	30	5	17	3	40	8	51
10		☐♂	1	29	5	16	4	35	8	47
11			2	27	5	15	5	27	8	43
12			3	25	5	14	6	05	8	39
13	C. Salisbury.		4	23	5	13	6	M27	8	34
14	☐♀	*♂♀	5	21	5	11	7	27	8	31
15			6	20	5	10	8	25	8	28
16	♂♀ Lun. ♀♂		7	18	5	09	9	15	8	24
17		☐♂	8	16	5	07	10	10	8	21
18	Moon Perige		9	14	5	06	11	05	8	17
19	♂♂ Lun. ♂♀ Lun		10	12	5	04	12	05	8	14
20			11	09	5	03	1	02	8	10
21			12	08	5	02	2	04	8	06
22	♂♂	☐♀	13	06	5	01	3	08	8	02
23		*♂♀	14	04	4	00	4	11	7	58
24			15	02	4	59	5	04	7	54
25	☐ Jov. & Lun.		15	59	4	57	5	56	7	51
26			16	57	4	56	6	38	7	47
27	C. Court Boston.		17	54	4	55	7	20	7	43
28			18	53	4	54	7	M40	7	40
29	☐♂ Lun ♀♂		19	52	4	53	8	20	7	36
30			20	50	4	52	9	00	7	32



May hath 31 Dayes.

Full moon 3 day 32 min. past 10 beforenoon.  
 Last quarter 11 day 18 min past 10 beforenoon.  
 New moon 17 day 13 min past 9 night.  
 First quar. 24 day 20 min. past 10 night.

17	Apoge.	21	46 4	51	9	47 7	28
21		22	44 4	50	10	30 7	24
32	♂ ♃) ♂ ☉ Jup	23	41 4	49	11	14 7	20
43		24	39 4	48	12	04 7	16
54	* ♄ ♂	25	36 4	47	12	52 7	12
65		26	34 4	46	1	45 7	08
76	♂ ♂) ♂ ☉	27	32 4	45	2	33 7	04
87	♂ ☉ Lun. ♂ ♄)	28	29 4	44	3	25 7	00
91		29	27 4	43	4	18 6	56
102		00	24 4	42	5	11 6	52
113	♂ ♄ * ♂ ♂ ♃	1	21 4	41	6	00 6	48
124		2	19 4	40	6	50 6	44
135	C. Elest. Hartford.	3	16 4	39	7 <sup>M</sup>	12 6	40
146	♂ ♄	4	14 4	39	8	04 6	36
157		5	11 4	38	8	52 6	32
161	♂ ♂ Moon Perige	6	09 4	37	9	45 6	28
172	♂ Jov. & Lun.	7	06 4	36	10	46 6	24
183		8	03 4	35	11	49 6	20
194	C. Election Boston.	9	01 4	34	12	53 6	16
205	♂ ♄ * ♂	9	58 4	33	1	55 6	12
216		10	55 4	33	2	49 6	08
227		11	52 4	32	3	46 6	04
231	♂ ♂)	12	50 4	31	4	42 6	00
242		13	47 4	31	5	23 5	56
253	C. Affist. Hartford.	14	44 4	30	6	07 5	52
264		15	41 4	30	6 <sup>M</sup>	27 5	48
275	♂ ♂	16	39 4	29	7	04 5	44
286		17	36 4	29	7	45 5	40
297	♂ ♂) ♂ ☉)	18	33 4	28	8	30 5	36
301		19	30 4	28	9	12 5	31
312	♂ Jov. & Lun	20	27 4	28	9	52 5	27

June hath 30 dayes.

Full moon 2 day 36 min. past 1 morn.  
 Last quar. 9 day 43 min. past 2 afternoon.  
 New moon 16 day 54 min. past 4 morn.  
 First quar. 23 day 50 min. past 1 afternoon.

13	C. Elect. <i>Plimouth</i> .	21	24	4	28	10	27	5	23
24	(C. <i>New-London</i>	22	21	4	28	11	24	5	20
35	♄ ♃ ♄ ♃	23	19	4	27	12	22	5	15
46		24	16	4	27	1	16	5	10
57	♄ ♃ ♄ ♃	25	13	4	27	2	10	5	06
61		26	10	4	27	3	02	5	02
72	Artif. Elect. <i>Boston</i> .	27	07	4	26	3	50	4	58
83		28	04	4	26	4	43	4	54
94	Court <i>New-bever</i> .	29	01	4	26	5	30	4	50
105	♄ ♃	29	58	4	26	6	15	4	46
116		00	55	4	26	6	M42	4	42
127	♄ ♃	01	52	4	26	7	39	4	38
131		02	49	4	26	8	33	4	35
142	♄ ♃ ♄ ♃	03	46	4	26	9	27	4	30
153	Court <i>Charlston</i> .	04	44	4	26	10	28	4	25
164		05	41	4	26	11	31	4	20
175	Terra Aphelion.	06	38	4	27	12	29	4	17
186		07	35	4	27	1	28	4	13
197	* ♄ * ♃	08	32	4	27	2	14	4	09
201		09	29	4	27	3	00	4	04
212	* ♄	10	26	4	28	3	38	4	00
223	Lun in ♄	11	23	4	28	4	27	3	56
234	♄ ♃	12	20	4	28	5	20	3	52
245		13	17	4	29	6	00	3	48
256		14	14	4	29	6	43	3	44
267	Lun Apoge	15	11	4	29	7	M03	3	40
271		16	08	4	30	7	48	3	36
282	♄ ♃	17	05	4	30	8	35	3	32
293	Court at <i>Salem</i> .	18	02	4	31	9	24	3	28
304		19	00	4	32	10	15	3	23

July hath 31 dayes.

Full moon 1 day 45 min. past 2 afternoon.

Last quar. 8 day 36 min. past 7 night.

New moon 15 day 3 min. past 2 afternoon.

First quarter 23 day 35 min. past 6 morn.

Full moon 31 day 40 min past 2 morning.

15	♂ hD	♂ ♀ D	19	574	32	11	09	3	19
26	♂ ☉ ♀		20	544	33	12	02	3	15
37			21	514	33	12	55	3	11
41			22	484	34	1	44	3	07
52	Artil. Elect. Salem.		23	454	35	2	35	3	03
63	Court Plymouth.		24	424	36	3	20	2	59
74			25	394	36	4	10	2	55
85	Moon perige		26	374	37	4	56	2	51
96	♂ hQ		27	344	38	5	48	2	47
107			28	314	39	6	39	2	43
111	Venus and Mercury		29	284	40	7	30	2	39
122	are hid by the Sun		30	254	41	8	08	2	35
133	the most part of this		1	234	42	9	07	2	31
144	Moneth.		2	204	43	10	06	2	27
155			3	174	44	11	05	2	23
166			4	144	45	12	05	2	19
177	*♂)		5	124	46	12	52	2	15
181	*h)		6	094	47	1	42	2	11
192			7	064	48	2	26	2	07
203	Δ h) ☉ Ω		8	044	49	3	09	2	03
214			9	014	50	3	54	1	59
225	moon Apoge		9	594	51	4	37	1	55
236			10	564	52	5	18	1	51
247	*h) ☉ *♂)		11	534	53	6	02	1	47
251			12	514	54	6	48	1	43
262			13	484	55	7	37	1	40
273	County Court Ref.		14	464	56	8	00	1	36
284			15	434	57	9	00	1	32
295			16	414	58	9	54	1	28
306	♂ ♀ C □ h)		17	384	59	10	47	1	24
317			18	364	01	11	37	1	21



# August hath 31 days.

Last quar. 6 day 26 min. past 10 night.

New moon 14 day 55 min. past 12 Morn.

First quar. 22 day 10 min. past 12 mora.

Full moon 29 day 6 min. past 1 afternoon.

1 1	19 33 5	02 12	27 1	17
2 2 $\Delta h$ $\rho \eta$	20 31 5	03 1	15 1	13
3 3 * Sat. & Merc.	21 29 5	05 2	00 1	09
4 4 Lun. $\rho$	22 26 5	06 2	50 1	05
5 5	23 24 5	07 3	42 1	02
6 6 Lun Perige	24 22 5	08 4	37 12	58
7 7	25 20 5	09 5	30 12	54
8 1 $\delta \eta$ * 2	26 17 5	11 6	27 12	51
9 2	27 15 5	12 7	00 12	47
10 3 Commencement.	28 13 5	14 8	00 12	44
11 4	29 12 5	15 9	00 12	40
12 5	00 10 5	17 9	56 12	36
13 6 Merc. elong. a $\odot$	01 07 5	18 10	48 12	32
14 7	02 05 5	19 11	39 12	28
15 1 * $\eta$ * $\delta$	03 02 5	20 12	28 12	25
16 2 $\delta \eta$ $\Omega$	04 00 5	22 1	08 12	21
17 3	04 59 5	24 1	48 12	18
18 4	05 57 5	25 2	33 12	14
19 5 Lun apoge	06 50 5	27 3	17 12	10
20 6 $\eta \delta$ Conjuncti.	07 53 5	28 4	00 12	07
21 7	08 51 5	29 4	49 12	03
22 1 $\rho \eta$	09 49 5	30 5	33 12	00
23 2	10 47 5	31 6	25 11	56
24 3 $\Delta \odot$ $\Delta \rho$	11 46 5	32 7	18 11	52
25 4 $\rho \eta$ $\rho \delta$	12 44 5	34 7	57 11	49
26 5 Sol & Venns Conj.	13 42 5	35 8	41 11	45
27 6	14 41 5	37 9	30 11	42
28 7 $\square \eta \odot$	15 39 5	39 10	23 11	38
29 1 Mercury stationary	16 37 5	41 11	12 11	34
30 2	17 36 5	42 12	03 11	30
31 3 $\square \eta$ * $\eta \rho$	18 35 5	43 12	52 11	26

September hath 30 dayes.

Last quar. 5 day 50 min. past 4 morn.

New moon 12 day 21 min. past 2 afternoon.

First quar. 20 day 54 min. past 5 afternoon.

Full moon 27 day 41 min past 3 afternoon.

14		19	32	5	44	1	45	11	22
25	C. Court Harford.	20	31	5	45	2	40	11	18
36	) perige.	21	30	5	47	3	37	11	14
47		22	29	5	49	4	32	11	10
58	♂ ♀ ☐ ☉	23	27	5	51	5	32	11	06
62		24	26	5	53	6	30	11	03
73	C. Assist. Boston.	25	25	5	55	7	00	10	59
84		26	23	5	56	8	00	10	55
95	♂ ☉ ☿	27	22	5	58	8	52	10	52
106		28	21	5	59	9	40	10	48
117	☐ ♀ ☉ ☿ ☿	29	20	5	59	10	25	10	45
121	Sun eclipsed.	00	19	6	00	11	12	10	41
132	♂ ☉	01	18	6	02	11	53	10	37
143		02	17	6	03	12	34	10	33
154	☐ ♂ ☿ * ♄ ☿	03	16	6	05	1	17	10	30
165	) apoge	04	15	6	07	2	05	10	27
176		05	14	6	09	2	50	10	24
187	Mer. stationary.	06	13	6	10	3	40	10	20
191		07	12	6	12	4	31	10	17
202		08	11	6	13	5	23	10	14
213	Court Newlondon	09	10	6	15	6	10	10	10
224	♂ ♀ ☉ * ♂ ☉	10	09	6	16	7	03	10	07
235		11	09	6	17	7	31	10	04
246		12	08	6	18	8	18	10	00
257	Jup. stationary.	13	08	6	19	9	09	9	57
261	♂ ♀ ☐ ♄ ☿	14	07	6	20	10	00	9	54
272	♂ ☉ ☐ ♀ ☉	15	07	6	21	10	52	9	50
283	C. Ipsw. & Springf.	16	06	6	23	11	45	9	46
294		17	06	6	25	12	40	9	42
305	Luna Perige.	18	05	6	26	1	38	9	38

October hath 31. dayes.

Last quarter 3 day 46 min past 12 noon.  
 New moon 12 day 21 min past 7 morning.  
 First quar. 20 day 52 min. past 8 morn.  
 Full moon 27 day 42 min past 8 morn.

16	19	5	6	27	2	35	9	34
27	20	5	6	29	3	37	9	30
31	21	5	6	30	4	35	9	27
42	22	4	6	31	5	33	9	23
53	23	4	6	32	6	31	9	20
64	24	4	6	34	7	00	9	16
75	25	3	6	35	7	50	9	12
86	26	3	6	37	8	33	9	08
97	27	3	6	39	9	17	9	04
101	28	3	6	40	10	00	9	01
112	29	3	6	41	10	42	8	57
123	30	3	6	42	11	25	8	53
134	1	3	6	43	12	12	8	50
145	2	3	6	44	12	55	8	46
156	3	3	6	45	1	42	8	42
167	4	3	6	47	2	30	8	38
171	5	3	6	48	3	20	8	35
182	6	3	6	49	4	13	8	30
193	7	3	6	50	5	02	8	26
204	8	4	6	51	5	52	8	22
215	9	4	6	53	6	40	8	18
226	10	4	6	54	7	07	8	14
237	11	5	6	56	7	50	8	10
241	12	5	6	57	8	40	8	06
252	13	5	6	59	9	30	8	03
263	14	6	7	00	10	22	8	00
274	15	6	7	01	11	20	7	56
285	16	7	7	02	12	19	7	52
296	17	7	7	03	1	22	7	48
307	18	7	7	05	2	36	7	44
311	19	8	7	07	3	27	7	39

27 1/2 Conjunct.

\* 1/2 8

53 Court Cambridge.

□ h ②

97 Δ 1/2 ② Ω

112 ① ② \* 8 8 29

123 C. Assist. Hartford

134 (C. Hampton.

145 Lun Apoge.

167 8 1/2 Δ 8 ②

171 ① ② \* 8 ②

182 ① ② □ 8 ②

193 ① ② \* 8 ②

204 ① ② □ 8 ②

215 Δ ② Δ ② 10

226 Δ ② Δ ② 11

237 ① ② □ 8 ② 12

241 ① ② □ 8 ② 13

252 ① ② □ 8 ② 14

263 Court Boston and

274 (Plim.

285 ① Perige

296 1/2 & ② Conj.

307 1/2 & ② Conj.

311 1/2 & ② Conj.

19 5

20 5

21 5

22 4

23 4

24 4

25 3

26 3

27 3

28 3

29 3

30 3

31 3

32 3

33 3

34 3

35 3

36 3

37 3

38 3

39 3

40 3

41 3

42 3

43 3

44 3

45 3

46 3

47 3

48 3

49 3

50 3

51 3

52 3

53 3

54 3

55 3

56 3

27 2

29 3

30 4

31 5

32 6

34 7

35 7

37 8

39 9

40 10

41 10

42 11

43 12

44 12

45 1

47 2

48 3

49 4

50 5

51 5

53 6

54 7

56 7

57 8

59 9

00 10

01 11

02 12

03 1

05 2

07 3

08 3

09 3

10 3

11 3

12 3

13 3

14 3

35 9

37 9

35 9

33 9

31 9

00 9

50 9

33 9

17 9

00 9

42 8

25 8

12 8

55 8

42 8

30 8

20 8

13 8

02 8

52 8

40 8

30 8

22 8

40 8

07 8

50 8

40 8

30 8

22 8

20 7

19 7

22 7

36 7

27 7

27 7

27 7

27 7

27 7

34

30

27

23

20

16

12

08

04

01

57

53

50

46

42

38

35

30

26

22

18

14

10

06

03

00

56

52

48

44

39



November hath 30 dayes.

Last quar. 3 day 42 min. past 12 morning.

New moon 11 day 36 min. past 1 morn.

First quar. 19 day 13 min. past 2 morn.

Full moon 25 day 45 min. past 6 night.

12	♂h)	20	097	08	24	287	35
23	Court Fairfield.	21	107	09	5	197	31
34		22	107	10	6	077	27
45	Δh⊙	23	117	11	6	407	22
56		24	127	12	7	127	18
67	♂♂♂	25	137	13	7	547	14
71		26	137	14	8	377	10
82	□h) □♂♂	27	147	15	9	177	05
93		28	157	16	10	007	01
104	Court Newhaven.	29	167	17	10	407	57
115	Lun apoge	00	177	18	11	346	52
126	♂♂) ♂♂)	01	187	19	12	246	48
137	♂♂♂	02	197	20	1	146	44
141		03	207	20	2	006	40
152	♂h)	04	217	21	2	506	35
163		05	227	22	3	406	31
174	Δ♂) *♂)	06	237	23	4	306	27
185		07	247	23	5	206	23
196	♂♂) □♂)	08	257	24	6	056	19
207	Moon in the Dragons	09	267	25	6	506	14
211	Tail.	10	277	25	7	146	10
222	♂♂⊙ □♂⊙	11	287	26	8	036	06
233		12	297	27	9	006	02
244	Lun Perige	13	307	27	9	555	58
255		14	317	28	10	565	53
266		15	327	29	11	585	49
277	♂♂) ♂♂)	16	347	29	1	605	45
281	♂h)	17	357	30	2	005	40
292		18	367	30	3	005	36
303	Court Salem.	19	377	31	3	575	31

December hath 31 dayes.

Last quar. 2 day 56 min. past 4 afternoon.  
 New moon 10 day 56 min. past 10 night.  
 First quarter 18 day 57 min. past 2 afternoon.  
 Full moon 25 day 45 min past 3 morning.

14	♂♂	20	387	31	4	455	27
25	♂♂	21	407	32	5	255	22
36	Lun. ♀	22	417	32	6	055	18
47		23	427	33	6	455	14
51	□h)	24	437	33	7M	075	08
62	♂h♂	25	457	33	7	475	03
73		26	467	34	8	304	59
84	♂ elong. a Sole	27	477	34	9	154	54
95	♂ ♀ Lun apoge	28	487	34	10	094	50
106		29	507	34	10	454	46
117		30	517	34	11	424	42
128	♂h) ♂h♂	1	527	34	12	394	37
132	♂♂	2	547	34	1	274	32
143		3	557	34	2	154	28
154		4	567	34	3	004	23
165	*⊙ Mer. stat.	5	587	34	3	474	19
176	♂♂	7	07	33	4	324	14
187	♂h♂	8	17	33	5	184	10
191		9	27	33	6	034	6
202	Δ ♀	10	37	32	6	534	1
213	C. Charlistown.	11	47	32	7M	233	57
224	♂ conjuncti.	12	67	31	8	203	52
235	♂ Moon perige	13	77	31	9	163	48
246	♂ Sol & Mer. conj.	14	87	30	10	203	43
257	♂h)	15	97	29	11	253	39
261		16	117	29	12	223	34
272	♂♂	17	127	28	1	16E	30
283		18	137	28	2	113	25
294	Δ⊙ ♂h⊙	19	157	27	3	003	21
305	♂♂	20	167	27	3	473	16
316		21	177	26	4	333	12

Guards north.

Full Sea boffon.

January hath 31 dayes.

Last quarter 1 day 41 min past 11 noon.  
 New moon 9 day 15 min past 3 afternoon.  
 First quar. 17 day 48 min. past 12 morn.  
 Full moon 23 day 29 min past 5 evening.  
 Last quar. 31 day 50 min. past 7 morning.

17	☐h)	Δq)	22	187	25	5	1	3	07
21			23	197	25	5	56	3	03
32	Δh)	Δδ☉	24	207	24	6	37	2	59
43	*☉)		25	227	23	7	07	2	54
54	Lun Apoge.		26	233	22	7	49	2	50
65			27	247	21	8	33	2	46
76			28	267	21	9	22	2	42
87	δh)	δδ)	29	277	20	10	12	2	38
91	δ☉)	Δδ)	00	287	19	11	04	2	33
102			1	297	18	11	57	2	29
113			2	307	17	12	44	2	25
124	δq)	☐Δq	3	317	16	1	32	2	21
135	δδ)	δδ)	4	327	15	2	17	2	17
146	Stationary.		5	337	14	3	03	2	13
157	ΔΔ☉		6	347	13	3	53	2	09
161			7	357	12	4	43	2	05
172			8	367	11	5	40	2	01
183	δΔ)	Δδ)	9	377	10	6	37	1	57
194		Δ☉)	10	387	9	7	32	1	53
205			11	397	8	8	Mo	1	49
216	δh)	Perige	12	407	7	9	00	1	45
227	*δ)	δh)	13	417	6	10	04	1	41
231			14	427	5	11	02	1	36
242	Jupiter stationary.		15	437	4	11	56	1	31
253	C. Court Boston.		16	447	3	12	45	1	27
264	δδ)	δδ)	17	457	2	1	31	1	23
275	Δδ)		18	467	1	2	15	1	19
286			19	466	55	3	00	1	15
297	☐Δ)		20	476	55	3	42	1	11
301			21	486	56	4	27	1	07
312	*δ)	*Δ)	22	496	54	5	15	1	03



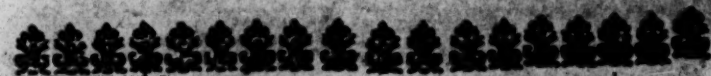
February hath 28 days.

New moon 8 day 11 min. past 7 morning.

First quar. 15 day 8 morning.

Full moon 22 day 28 min past 6 morn.

13	☾	23	48	52	5	57	1	00
24		24	49	50	6	50	12	56
35	☐☾	25	49	49	7	41	12	52
46	☾	26	51	48	8	06	12	48
57		27	51	47	8	53	12	44
61	☐☾	28	52	46	9	42	12	40
72		29	52	44	10	35	12	36
83	☐☾	00	53	42	11	23	12	32
94		01	53	40	12	13	12	28
105		02	53	39	1	00	12	25
116	☐☾	03	54	38	1	45	12	21
127		04	54	37	2	40	12	17
131	☐☾	05	54	36	3	31	12	13
142		06	54	35	4	22	12	09
153	☐☾	07	55	34	5	19	12	06
164	☐☾	08	55	32	6	20	12	02
175	☐☾	09	55	31	7	23	11	58
186		10	55	29	7	53	11	54
197		11	55	28	8	45	11	50
201		12	55	27	9	43	11	47
212	☐☾	13	55	26	10	37	11	43
223	☐☾	14	55	24	11	25	11	40
234	☐☾	15	55	22	12	13	11	36
245		16	55	20	1	00	11	32
256	☐☾	17	55	18	1	42	11	28
267		18	55	16	2	25	11	24
271	☐☾	19	55	14	3	11	11	22
282		20	55	13	3	55	11	18



*The Natures and Operations of the seven Planets,  
with the Names and Characters given them by  
ASTRONOMERS.*

**T**He highest of the Planets called *Saturn* ♄, is by nature cold and dry, in Summer abateing heat, and in Winter increasing cold.

♃ *Jupiter*. By nature hot and moist, causes Fairweather mitigates the cold of Winter, and heat of Summer, being east-ward of the Sun he increases heat, and westward moisture. *Card.*

♂ *Mars* is hot and dry in excess, causing extream heat in Summer, and warm air in Winter, likewise Storms of Rain, Hail, Thunder, Lightning.

☉ The *Sun* by nature hot and dry, the general mover of Vapors, distributer of Light to the other Planets.

♀ *Venus* is temperately hot and moist, she warms little and moistneth much, lessens the drought of Summer.

☿ *Mercury* is by nature mutable, according to the sign or nature of the Star he is withal, he is thought to cause winds in watery and earthy signs, and Thunder and Lightning in Fiery and Airy Signs.

☾ *Moon* by nature cold and moist moving the waters, Astrologers allow the Moon these temperatures, from the change to the Quarter, cold and moist: From thence to Full moist and warm: from the Full to the last Quarter, dry and but little warm, from thence to the Change, cold and dry. These Effects of the Planets are more apparent when they are near the Earth, and when in ☿ Conjunction or ♀ with others of the same nature: so likewise being associated with fixt Stars of like Influence increaseth their operation. And the full ☾ is conceived cold in Summer, and temperate in the Winter Season; the new Moon warm in Summer, and produceth the coldest nights in Winter, and in general the conjunctions of the *Lunation* bring the fairest weather, and their oppositions the greatest Storms of Rain. *Card.*

### Spring Tides.

**M**arch. From the 18. to the 25 day, and are highest about the 21 day.

**April.** From the 16 day to the 22, and very high the 18 and the 19 days.

**May.** Begin to rise the 14 and highest the 18 day: the Moon being then near a ♄ with most of the other Planets may cause the Sea to swell to an unusual height, and produce some remarkable change of Air.

**June.** From the 12 day to the 17: are highest about the 14 day.

**July.** From the 9 to the 16.

**August.** The Moons Perige. hapning between the Full and the Change of the Moon will cause indifferent high Tides, from the beginning of the Moneth to 14 day, but not very high any day, unless increased by the Weather. After that very low till about the 30 day.

**September.** The Moneth begins and ends with a full Tide, and (I think) no very great Tides to be expected at the Change of the Moon.

**October.** From 26 day to the end of the Moneth:

**November.** From 23 day to the 28.

**December.** From 21 day to the 26:

**January.** From 19 day to the 24.

**February.** Both at Change of the Moon, and at the Full, or from the Change to the Full you may expect Tides higher then ordinary.

---

The Example of the Guards Northing, mentioned in the second Page, is unhappily mistaken: take therefore here another example. *March 10. Guards north 10 41.* that is, are directly over the Pole 41 min. past 10. at night. Note also that they point to the east and west parts of our Horizon 6 hours before, and 6 hours after the time of their coming to the North.